Name of Work:Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02

EMB

"FIRST AND FINAL BILL"

Name of Work:Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02

Detailed Measurements

Pre-Measurement Recorded On: 19/6/2021

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
1	KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.iii) Dismantling Stone Masonry.B. Rubble stone masonry in cement mortar.							
	SSM Culvert Wall							
	Kote Beedhi							
	Road -1 Dead End		2	2.90	0.45	0.40	1.04	
	Road-2		2	4.40	0.45	0.60	2.38	
	Road-6		2	5.00	0.45	0.60	2.70	
	Kamaskhamma Layout							
	1st Cross Rd(CD-1)		2	4.90	0.45	0.60	2.65	
	CD-2		2	6.00	0.45	0.40	2.16	
	CD-3		2	5.95	0.45	0.40	2.14	
	CD-4		2	6.30	0.45	0.40	2.27	
						Present Qty	**15.34**	**Cum**

CAFC

19/6

A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yhk. Zn)
Yelahanka, Bangalore

Name of Work:Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02

Detailed Measurements

Pre-Measurement Recorded On: 23/6/2021

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
2	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.KSRRB M200-12.2. –do– i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20.							
	Culvert Deck Slab							
	Kote Beedhi							
	Road -1 Dead End		1	2.90	1.50	0.20	0.87	
			1	9.40	1.50	0.20	2.82	
	Road-2		1	4.40	1.80	0.20	1.58	
	Road-6		1	5.00	1.80	0.20	1.80	
	Kamaskhamma Layout							
	1st Cross Rd(CD-1)		1	4.90	1.50	0.23	1.69	
	CD-2		1	6.00	1.50	0.23	2.07	
	CD-3		1	5.95	1.50	0.20	1.79	
	CD-4		1	6.30	1.50	0.23	2.17	
	Drain Raft							
	Kote Beedhi Rd(Road-1)							
	Ch:0.00m to 30.00m	LHS	1	30.00	0.85	0.15	3.83	
	Ch:30.00m to 60.00m	LHS	1	30.00	0.85	0.15	3.83	
	Ch:60.00m to 90.00m	LHS	1	30.00	0.85	0.15	3.83	
	Ch:90.00m to 105.00m	LHS	1	15.00	0.85	0.15	1.91	
	Drain Wall							
	Kote Beedhi Rd(Road-1)							
	Ch:0.00m to 30.00m	LHS	2	30.00	0.15	0.60	5.40	
	Ch:30.00m to 60.00m	LHS	2	30.00	0.15	0.60	5.40	
	Ch:60.00m to 90.00m	LHS	2	30.00	0.15	0.60	5.40	
	Ch:90.00m to 105.00m	LHS	2	15.00	0.15	0.60	2.70	
						Present Qty	**47.08**	**Cum**

C2 Fc

23/6

A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yok. Zo)

Name of Work:Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02

Detailed Measurements

Measurement Recorded On: 27/6/2021

Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications							
New RCC Drain							
Kamaskhamma Layout							
1st Cross Rd							
Ch:0.00m to 30.00m	RHS	1	30.00	1.00	1.00	30.00	
Ch:30.00m to 46.50m	RHS	1	16.50	1.00	1.00	16.50	
Main Rd							
Ch:0.00m to 16.50m	RHS	1	16.50	1.10	1.00	18.15	
Kote Beedhi Rd(Road-1)							
Ch:0.00m to 30.00m	LHS	1	30.00	1.00	1.00	30.00	
Ch:30.00m to 60.00m	LHS	1	30.00	1.00	1.00	30.00	
Ch:60.00m to 90.00m	LHS	1	30.00	1.00	1.00	30.00	
Ch:90.00m to 105.00m	LHS	1	15.00	1.00	1.00	15.00	
Upto Turning							
Continue							
Ch:0.00m to 24.70m	LHS	1	24.70	1.00	1.00	24.70	
Ch:0.00m to 18.00m C & FC	RHS	1	18.00	1.00	1.00	18.00	
Road-5							
Ch:0.00m to 17.20m	LHS	1	17.20	1.00	1.00	17.20	
Drain Desilt							
Kote Beedhi Rd(Road-1)							
Ch:0.00m to 30.00m	RHS	1	30.00	0.45	0.55	7.43	
Ch:30.00m to 60.00m	RHS	1	30.00	0.45	0.55	7.43	
Ch:60.00m to 90.00m	RHS	1	30.00	0.45	0.55	7.43	
Ch:90.00m to 105.00m	RHS	1	15.00	0.45	0.55	3.71	
Road-2							
Ch:0.00m to 22.00m	LHS	1	22.00	0.45	0.50	4.95	
Road-3							
Ch:0.00m to 10.00m	RHS	1	10.00	0.45	0.50	2.25	
Culvert							
Kote Beedhi							
Road -1 Dead End		1	2.90	1.50	1.00	4.35	
		1	9.40	1.50	1.00	14.10	
Road-2		1	4.40	1.80	1.00	7.92	

Contractor

Asst. Engineer

Asst. E... Engineer
Yela... Divison
Engineer,

Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
Road-6		1	5.00	1.80	1.00	9.00	
Kamaskhamma Layout							
1st Cross Rd(CD-1)		1	4.90	1.50	1.00	7.35	
CD-2		1	6.00	1.50	1.00	9.00	
CD-3		1	5.95	1.50	1.00	8.93	
CD-4		1	6.30	1.50	1.00	9.45	
Debris							
		1	7.00	4.00	0.30	8.40	
		1	6.00	3.00	0.30	5.40	
		1	5.00	3.00	0.25	3.75	
		1	8.00	6.00	0.30	14.40	
					Present Qty	**364.78**	**Cum**

CA Fc

A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yelk. Zn)
Yelahanka, Bangalore

Contractor

Asst Engineer

Asst Executive Engineer

Name of Work: **Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02**

Detailed Measurements

e-Measurement Recorded On: 3/7/2021

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
4	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)							
	Kamaskhamma Layout							
	1st Cross Rd							
	Ch:0.00m to 30.00m	RHS	1	30.00	0.75		22.50	
	Ch:30.00m to 46.50m	RHS	1	16.50	0.75		12.38	
	Main Rd							
	Ch:0.00m to 16.50m	RHS	1	16.50	0.90		14.85	
	Kote Beedhi Rd(Road-1)							
	Ch:0.00m to 30.00m	LHS	1	30.00	0.75		22.50	
	Ch:30.00m to 60.00m	LHS	1	30.00	0.75		22.50	
	Ch:60.00m to 90.00m	LHS	1	30.00	0.75		22.50	
	Ch:90.00m to 105.00m	LHS	1	15.00	0.75		11.25	
	Ch:0.00m to 30.00m	RHS	1	30.00	0.60		18.00	
	Ch:30.00m to 60.00m	RHS	1	30.00	0.60		18.00	
	Ch:60.00m to 90.00m	RHS	1	30.00	0.60		18.00	
	Ch:90.00m to 105.00m	RHS	1	15.00	0.60		9.00	
	Upto Turning							
	Continue							
	Ch:0.00m to 24.70m	LHS	1	24.70	0.75		18.53	
	Ch:0.00m to 18.00m	RHS	1	18.00	0.75		13.50	
	Road-2							
	Ch:0.00m to 22.00m	LHS	1	22.00	0.75		16.50	
	Road-5							
	Ch:0.00m to 17.20m	LHS	1	17.20	0.75		12.90	
	Kondappa Layout							
	11th Cross Rd							
	Ch:0.00m to 30.00m	LHS	1	30.00	0.75		22.50	
	Ch:30.00m to 47.00m	LHS	1	17.00	0.75		12.75	
	Ch:0.00m to 30.00m	RHS	1	30.00	0.75		22.50	
	Ch:30.00m to 46.00m	RHS	1	16.00	0.75		12.00	
	12th Cross Rd							
	Ch:0.00m to 30.00m	LHS	1	30.00	0.75		22.50	
	Ch:30.00m to 47.00m	LHS	1	17.00	0.75		12.75	
						Present Qty	**357.90**	**Sqm**

C & Pc

A.E.E

Contractor

Asst. Engineer

Asst. Executive Engineer
Yelahanka Sub Division
Asst. Exec. Engineer,
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work:Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02

Detailed Measurements

Measurement Recorded On: 23/7/2021

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
5	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications						
	CC Road						
	Kondappa Layout						
	28th Cross Rd						
	Ch:0.00m to 15.00m	1	15.00	(7.30 + 7.30)/2	0.15	16.43	
	Ch:15.00m to 30.20m	1	15.20	(7.30 + 7.50)/2	0.15	16.87	
	Ramp	1	4.40	(5.60 + 5.60)/2	0.10	2.46	
	Kamaskhamma Layout						
	8th Cross Rd						
	Ch:0.00m to 16.00m	1	16.00	(4.40 + 4.95)/2	0.15	11.22	
	Ch:16.00m to 46.00m	1	30.00	(4.95 + 4.80)/2	0.15	21.94	
	Ch:46.00m to 76.00m	1	30.00	(4.80 + 4.80)/2	0.15	21.60	
	Ch:76.00m to 106.00m C&FC	1	30.00	(4.80 + 5.60)/2	0.15	23.40	
	Ch:106.00m to 136.00m	1	30.00	(5.60 + 4.15)/2	0.15	21.94	
	Ch:136.00m to 153.80m A.E.E 23/7	1	17.80	(4.15 + 4.60)/2	0.15	11.68	
	Continue						
	Ch:153.80m to 161.80m	1	8.00	(2.40 + 1.90)/2	0.15	2.58	
	Kamaskhamma Layout						
	1st Cross Rd						
	Ch:0.00m to 8.00m	1	8.00	(4.50 + 5.50)/2	0.15	6.00	
	Ch:8.00m to 23.00m	1	15.00	(3.90 + 5.00)/2	0.10	6.68	
	Ch:23.00m to 38.00m	1	15.00	(5.00 + 5.20)/2	0.10	7.65	

Contractor

Asst. Engineer

Asst. Executive Engineer
Yelahanka Sub Division

Asst Exec. Engineer,
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Deduction of Slab	-1	2.10	1.90 + 1.90 / 2	0.15	-0.60	
	Curve(Ch:0.00m to 10.30m)	1	10.30	5.20 + 6.40 / 2	0.15	8.96	
	Temple Mini Hall rd						
	Ch:0.00m to 13.00m	1	13.00	4.80 + 4.30 / 2	0.15	8.87	
	Ch:13.00m to 30.10m	1	17.10	3.70 + 4.30 / 2	0.15	10.26	
	Road-6						
	A=20,B=17, h=4.8,7.3	1	((20+17)*6.05/2)		0.15	16.79	
	Deduction of Steps C&FC	-1	3.50	1.50 + 1.50 / 2	0.15	-0.79	
	Road-7						
	Ch:0.00m to 13.00m	1	13.00	5.00 + 4.00 / 2	0.10	5.85	
	Ch:13.00m to 28.00m A.E.E 23/7	1	15.00	3.40 + 2.80 / 2	0.10	4.65	
	Ch:28.00m to 43.00m	1	15.00	2.80 + 3.60 / 2	0.15	7.20	
	Ch:43.00m to 53.00m	1	10.00	3.60 + 3.60 / 2	0.15	5.40	
					Present Qty	**352.43**	**Cum**
					Total Qty	**383.10**	**Cum**

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Asst. Engineer

Asst. Exec. Engineer,

Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
Ch:90.00m to 105.00m	RHS	2	15.00	0.15	0.15	0.68	
Road-2							
Ch:0.00m to 22.00m	LHS	2	22.00	0.15	0.15	0.99	
Road-3							
Ch:0.00m to 10.00m	RHS	2	10.00	0.15	0.15	0.45	
					Present Qty	**108.74**	**Cum**

C&FC

A.E/E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Vnk. Zn)
Yelahanka, Bangalore

Contractor

Asst. Engineer

Asst. Exec. Engineer,

Name of Work: **Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02**

Detailed Measurements

Date of Pre-Measurement : 29/7/2021

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.						
Kamaskhamma Layout						
1st Cross Rd						
RHS						
Total Drain length=46.50m						
Main bar 10mm dia bar @ 140mm						
0.61kg/mtr						
No of U-bar=332.00Nos	332	1.95		0.61	394.91	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	10	46.50		0.61	283.65	
Main Rd						
RHS						
Total Drain length=16.50m						
Main bar 10mm dia bar @ 140mm						
0.61kg/mtr						
No of U-bar=117.00Nos	117	2.10		0.61	149.88	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	10	16.50		0.61	100.65	
Kote Beedhi Rd(Road-1)						
LHS						
Total Drain length=105.00m						
Main bar 10mm dia bar @ 140mm						
0.61kg/mtr						
No of U-bar=750.00Nos	750	1.90		0.61	869.25	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	10	105.00		0.61	640.50	
Continue						
LHS						
Total Drain length=24.70m						
Main bar 10mm dia bar @ 140mm						
0.61kg/mtr						

Contractor

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(Comm. Trk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer,

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
No of U-bar=176.00Nos	176	1.95		0.61	209.35	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	10	24.70		0.61	150.67	
RHS						
Total Drain length=18.00m						
Main bar 10mm dia bar @ 140mm						
0.61kg/mtr						
No of U-bar=128.00Nos	128	1.95		0.61	152.26	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	10	18.00		0.61	109.80	
Road-5						
LHS						
Total Drain length=17.20m						
Main bar 10mm dia bar @ 140mm						
0.61kg/mtr						
No of U-bar=122.00Nos	122	1.95		0.61	145.12	
Distribution bar						
Distribution bar 10mm dia @ 180mm						
0.61kg/mtr	10	17.20		0.61	104.92	
Culvert						
Total Culvert length=44.85m						
Main bar 12mm dia bar @ 180mm						
0.89kg/mtr, Double mat						
No of U-bar=276.00Nos	498	2.40		0.89	1063.73	
Distribution bar						
Distribution bar 10mm dia @ 190mm						
0.61kg/mtr, Double mat	26	44.85		0.61	711.32	
					5086.01	Kgs
				Present Qty	**5.09**	**Ton**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Asst. Executive Engineer,

Name of Work: **Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02**

Detailed Measurements

Measurement Recorded On: 15/7/2021

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
11	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and						
	CC Road						
	Kondappa Layout						
	28th Cross Rd						
	Ch:0.00m to 15.00m	1	15.00	(7.30 + 7.30)/2	0.20	21.90	
	Ch:15.00m to 30.20m	1	15.20	(7.30 + 7.50)/2	0.20	22.50	
	Ramp	1	4.40	(5.60 + 5.60)/2	0.20	4.93	
	Kamaskhamma Layout						
	8th Cross Rd						
	Ch:0.00m to 16.00m	1	16.00	(4.40 + 4.95)/2	0.20	14.96	
	Ch:16.00m to 46.00m	1	30.00	(4.95 + 4.80)/2	0.20	29.25	
	Ch:46.00m to 76.00m	1	30.00	(4.80 + 4.80)/2	0.20	28.80	
	Ch:76.00m to 106.00m	1	30.00	(4.80 + 5.60)/2	0.20	31.20	
	Ch:106.00m to 136.00m	1	30.00	(5.60 + 4.15)/2	0.20	29.25	
	Ch:136.00m to 153.80m	1	17.80	(4.15 + 4.60)/2	0.20	15.58	
	Continue						
	Ch:153.80m to 161.80m	1	8.00	(2.40 + 1.90)/2	0.20	3.44	
	Kamaskhamma Layout						
	1st Cross Rd						
	Ch:0.00m to 8.00m	1	8.00	(4.50 + 5.50)/2	0.20	8.00	
	Ch:8.00m to 23.00m	1	15.00	(3.90 + 5.00)/2	0.15	10.01	
	Ch:23.00m to 38.00m	1	15.00	(5.00 + 5.20)/2	0.15	11.48	
	Ch:38.00m to 49.00m	1	11.00	(5.20 + 5.00)/2	0.20	11.22	

C&FC

A.E.E 15/7

Contractor

Asst. Engineer

Asst. Executive Engineer
Yelahanka Sub Division
Asst. Exec. Engineer,
(BBMP Trg. Zn)
Yelahanka, Bangalore

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
:0.00m to 13.00m	1	13.00	(5.00 + 4.00) / 2	0.20	11.70	
:13.00m to 28.00m	1	15.00	(3.40 + 2.80) / 2	0.20	9.30	
h:28.00m to 43.00m	1	15.00	(2.80 + 3.60) / 2	0.20	9.60	
h:43.00m to 53.00m	1	10.00	(3.60 + 3.60) / 2	0.20	7.20	
				Present Qty	**405.86**	**Cum**

C&FC

A.E.E 15/7

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Asst. Engineer

Asst. Exec. Engineer,

Name of Work: **Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02**

Detailed Measurements

Pre-Measurement Recorded On: 17/7/2021

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
12	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 8.00 km and complete as per specifications.						
	CC Road						
	Kondappa Layout						
	28th Cross Rd						
	Ch:0.00m to 15.00m	1	15.00	(7.30 + 7.30)/2	0.10	10.95	
	Ch:15.00m to 30.20m	1	15.20	(7.30 + 7.50)/2	0.10	11.25	
	Ramp	1	4.40	(5.60 + 5.60)/2	0.10	2.46	
	Kamaskhamma Layout						
	8th Cross Rd						
	Ch:0.00m to 16.00m	1	16.00	(4.40 + 4.95)/2	0.10	7.48	
	Ch:16.00m to 46.00m	1	30.00	(4.95 + 4.80)/2	0.10	14.63	
	Ch:46.00m to 76.00m	1	30.00	(4.80 + 4.80)/2	0.10	14.40	
	Ch:76.00m to 106.00m C&Fc	1	30.00	(4.80 + 5.60)/2	0.10	15.60	
	Ch:106.00m to 136.00m	1	30.00	(5.60 + 4.15)/2	0.10	14.63	
	Ch:136.00m to 153.80m A.E.E 17/7	1	17.80	(4.15 + 4.60)/2	0.10	7.79	
	Continue						
	Ch:153.80m to 161.80m	1	8.00	(2.40 + 1.90)/2	0.10	1.72	
	Kamaskhamma Layout						
	1st Cross Rd						
	Ch:0.00m to 8.00m	1	8.00	(4.50 + 5.50)/2	0.15	6.00	
	Ch:8.00m to 23.00m	1	15.00	(3.90 + 5.00)/2	0.15	10.01	
	Ch:23.00m to 38.00m	1	15.00	(5.00 + 5.20)/2	0.15	11.48	

Contractor

Asst. Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yhk. Zn)
Yelahanka, Bangalore

Asst. Exec. Engineer,

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Road-6						
A=20,B=17, h=4.8,7.3	1	((20+17)*6.05/2)		0.10	11.19	
Deduction of Steps	-1	3.50	1.00 + 1.00 / 2	0.10	-0.35	
Road-7						
Ch:0.00m to 13.00m	1	13.00	5.00 + 4.00 / 2	0.10	5.85	
Ch:13.00m to 28.00m	1	15.00	3.40 + 2.80 / 2	0.10	4.65	
Ch:28.00m to 43.00m	1	15.00	2.80 + 3.60 / 2	0.10	4.80	
Ch:43.00m to 53.00m	1	10.00	3.60 + 3.60 / 2	0.10	3.60	
				Present Qty	**233.52**	**Cum**

C9Fc

A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Asst. Engineer

Asst. Exec. Enginee

Name of Work:Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02

Detailed Measurements								
m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material,								
	Vide pre-measurement page no.					15.34			
					Present Qty	**15.34**	**Cum**	**471.12**	**7226.00**
2	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable								
	Vide pre-measurement page no.					47.08			
					Present Qty	**47.08**	**Cum**	**699.96**	**32955.00**
3	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications								
	Vide pre-measurement page no.					364.78			
					Present Qty	**364.78**	**Cum**	**225.61**	**82299.00**
4	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)								
	Vide pre-measurement page no.					357.90			
					Present Qty	**357.90**	**Sqm**	**116.64**	**41746.00**
5	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications								
	Vide pre-measurement page no.					383.10			
					Present Qty	**383.10**	**Cum**	**5682.15**	**2176816.00**
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per								
	Vide pre-measurement page no.					108.74			
					Present Qty	**108.74**	**Cum**	**7409.57**	**805680.00**

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as								
	Vide pre-measurement page no.					5.09			
					Present Qty	**5.09**	**Tn**	**83993.64**	**427193.00**
0	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per								
	Vide pre-measurement page no.					257.17			
					Present Qty	**257.17**	**Sqm**	**43.32**	**11141.00**
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications								
	Vide pre-measurement page no.					405.86			
					Present Qty	**405.86**	**Cum**	**1079.88**	**438279.00**
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications								
	Vide pre-measurement page no.					233.52			
					Present Qty	**233.52**	**Cum**	**58.96**	**13769.00**

Contractor

Assistant Engineer

Asst. Executive Engineer,
Yelahanka Sub. Divison
(BBMP Nk. Zn)
Yelahanka, Bangalore

Name of Work:Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02

Detailed Measurements

urement Recorded On: 21/8/2021

Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work, cost of alll									
Kamaskhamma Layout									
1st Cross Rd									
Ch:0.00m to 30.00m	RHS	1	30.00	0.75		22.50			
Ch:30.00m to 46.50m	RHS	1	16.50	0.75		12.38			
Main Rd									
Ch:0.00m to 16.50m	RHS	1	16.50	0.90		14.85			
Kote Beedhi Rd(Road-1)									
Ch:0.00m to 30.00m	LHS	1	30.00	0.75		22.50			
Ch:30.00m to 60.00m	LHS	1	30.00	0.75		22.50			
Ch:60.00m to 90.00m	LHS	1	30.00	0.75		22.50			
Ch:90.00m to 105.00m	LHS	1	15.00	0.75		11.25			
Ch:0.00m to 30.00m	RHS	1	30.00	0.60		18.00			
Ch:30.00m to 60.00m	RHS	1	30.00	0.60		18.00			
Ch:60.00m to 90.00m	RHS	1	30.00	0.60		18.00			
Ch:90.00m to 105.00m	RHS	1	15.00	0.60		9.00			
Upto Turning									
Continue									
Ch:0.00m to 24.70m	LHS	1	24.70	0.75		18.53			
Ch:0.00m to 18.00m	RHS	1	18.00	0.75		13.50			
Road-2									
Ch:0.00m to 22.00m	LHS	1	22.00	0.75		0.00			
Road-3									
Ch:0.00m to 10.00m	RHS	1	10.00	0.60		0.00			
Road-5									
Ch:0.00m to 17.20m	LHS	1	17.20	0.75		12.90			
Deduct Old Slab	LHS	-49	0.60	0.75		-22.05			
Deduct Old Slab	RHS	-20	0.75	0.60		-9.00			
Anjandappa Layout									
4th Cross Rd									
Ch:0.00m to 30.00m	LHS	1	30.00	0.75		22.50			
Ch:30.00m to 47.00m	LHS	1	17.00	0.75		12.75			
Ch:0.00m to 30.00m	RHS	1	30.00	0.75		22.50			
Ch:30.00m to 46.00m	RHS	1	16.00	0.75		12.00			
5th Cross Rd									
Ch:0.00m to 30.00m	LHS	1	30.00	0.75		22.50			

Executive Engineer,
Yelahanka Division,
B.B.M.P, Bangalore - 64

Asst. Executive Engineer

Name of Work:Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02

Detailed Measurements

Measurement Recorded On: 27/8/2021

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.									
Kote Beedhi									
Road -1 Dead End		1	2.90	1.20		3.48			
		1	9.40	1.20		11.28			
Road-2		1	4.40	1.50		0.00			
Road-6		1	5.00	1.50		7.50			
Kamaskhamma Layout									
1st Cross Rd(CD-1)		1	4.90	1.20		5.88			
CD-2		1	6.00	1.20		7.20			
CD-3		1	5.95	1.20		7.14			
CD-4		1	6.30	1.20		7.56			
					Present Qty	**50.04**	**Sqm**	**5678.06**	**284131.00**

C&FC

A.E.E

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: **Improvements to Roads And Drains At Kote Bheedi in Chowdeshwari Ward No 02**

Detailed Measurements

Measurement Recorded On: 2/9/2021

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
3	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the								
	CC Road								
	Kondappa Layout								
	28th Cross Rd								
	Ch:0.00m to 15.00m	1	15.00	(7.30 + 7.30)/2	0.15	16.43			
	Ch:15.00m to 30.20m	1	15.20	(7.30 + 7.50)/2	0.15	16.87			
	Ramp	1	4.40	(5.60 + 5.60)/2	0.10	2.46			
	Kamaskhamma Layout								
	8th Cross Rd								
	Ch:0.00m to 16.00m	1	16.00	(4.40 + 4.95)/2	0.15	11.22			
	Ch:16.00m to 46.00m	1	30.00	(4.95 + 4.80)/2	0.15	21.94			
	Ch:46.00m to 76.00m	1	30.00	(4.80 + 4.80)/2	0.15	21.60			
	Ch:76.00m to 106.00m	1	30.00	(4.80 + 5.60)/2	0.15	23.40			
	Ch:106.00m to 136.00m	1	30.00	(5.60 + 4.15)/2	0.15	21.94			
	Ch:136.00m to 153.80m	1	17.80	(4.15 + 4.60)/2	0.15	11.68			
	Continue								
	Ch:153.80m to 161.80m	1	8.00	(2.40 + 1.90)/2	0.15	2.58			
	Kamaskhamma Layout								
	1st Cross Rd								
	Ch:0.00m to 8.00m	1	8.00	(4.50 + 5.50)/2	0.15	6.00			

04/9/2021
Executive Engineer,
Yelahanka Division,
B.B.M.P. Bangalore - 64

Contractor

Asst. Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Unit)

Asst. Exec. Engineer,

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Ch:8.00m to 23.00m	1	15.00	(3.90 + 5.00)/2	0.10	6.68			
Ch:23.00m to 38.00m	1	15.00	(5.00 + 5.20)/2	0.10	7.65			
Ch:38.00m to 49.00m	1	11.00	(5.20 + 5.00)/2	0.15	8.42			
Kote Beedhi Rd(1)								
Ch:0.00m to 15.00m	1	15.00	(3.00 + 2.80)/2	0.15	6.53			
Ch:15.00m to 30.00m	1	15.00	(2.80 + 2.60)/2	0.15	6.08			
Ch:30.00m to 45.00m	1	15.00	(2.60 + 3.00)/2	0.15	6.30			
Ch:45.00m to 60.00m	1	15.00	(3.00 + 3.30)/2	0.15	7.09			
Ch:60.00m to 75.00m	1	15.00	(3.30 + 3.20)/2	0.15	7.31			
Ch:75.00m to 90.00m	1	15.00	(3.20 + 3.80)/2	0.15	7.88			
Ch:90.00m to 105.00m	1	15.00	(3.80 + 5.40)/2	0.15	10.35			
Continue								
Ch:105.00m to 120.00m	1	15.00	(3.70 + 2.60)/2	0.15	7.09			
Ch:120.00m to 129.80m	1	9.80	(2.60 + 2.40)/2	0.15	3.68			
Road-2								
Dead End								
Ch:0.00m to 5.00m	1	5.00	(3.40 + 3.40)/2	0.15	2.55			
Ch:5.00m to 7.20m	1	2.20	(3.70 + 3.70)/2	0.15	1.22			
Ch:7.20m to 9.50m	1	2.30	(0.70 + 0.70)/2	0.15	0.24			
Continue								
Ch:0.00m to 15.00m	1	15.00	(2.20 + 3.70)/2	0.15	6.64			
Ch:15.00m to 21.30m	1	6.30	(3.70 + 4.40)/2	0.15	3.83			
Road-4								
Ch:0.00m to 7.70m	1	7.70	(3.60 + 4.30)/2	0.15	4.56			
Road-5(Temple Rd)								

Executive Engineer, Yelahanka Division, B.B.M.P. Bangalore - 64

Executive Engineer, Yelahanka Division, B.B.M.P. Bangalore - 64

Contractor

Asst. Engineer

Asst. Executive Engineer
Yelahanka
Asst. Exec. Engineer,
(BBMP Yk. Zn)

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
h:0.00m to 15.00m	1	15.00	(5.70 + 4.70)/2	0.15	11.70			
h:15.00m to 30.00m	1	15.00	(4.70 + 7.70)/2	0.15	13.95			
eduction of Slab	-1	2.10	(1.90 + 1.90)/2	0.15	-0.60			
ırve(Ch:0.00m to 10.30m)	1	10.30	(5.20 + 6.40)/2	0.15	8.96			
mple Mini Hall rd								
0.00m to 13.00m	1	13.00	(4.80 + 4.30)/2	0.15	8.87			
13.00m to 30.10m	1	17.10	(3.70 + 4.30)/2	0.15	10.26			
ad-6								
20,B=17, h=4,8,7.3	1	((20+17)*6.05/2)		0.15	16.79			
luction of Steps	-1	3.50	(1.50 + 1.50)/2	0.15	-0.79			
ıd-7								
).00m to 13.00m	1	13.00	(5.00 + 4.00)/2	0.10	5.85			
3.00m to 28.00m	1	15.00	(3.40 + 2.80)/2	0.10	4.65			
8.00m to 43.00m	1	15.00	(2.80 + 3.60)/2	0.15	7.20			
3.00m to 53.00m	1	10.00	(3.60 + 3.60)/2	0.15	5.40			
				Present Qty	**352.43**	**Cum**	**5461.09**	**1924655**
					Total		**7005994.00**	
					GST 12%		**840719.28**	
					Grand Total		**7846713.28**	

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Yelahanka Zone)
Yelahanka, Bangalore

Asst Engineer

Asst. Exec. Engineer